

## DESCRIPTION

**ENVIRO<sup>F3</sup> FLOURINE FREE FOAM 3%** Synthetic Fluorine Free Foam Concentrate is a specially formulated, synthetic, fire fighting foam concentrate. It contains no alkyl phenol ethoxylates or fluorine. As a result, it is 100% biodegradable and presents the lowest environmental impact of any Class B firefighting foam. It produces an exceptionally strong and cohesive foam blanket, aiding in rapid knockdown and extinguishment of hydrocarbon fires. The strong foam blanket also protects extinguished fuel from re-ignition.

**ENVIRO<sup>F3</sup> FLOURINE FREE FOAM 3%** is intended for use at a proportioning rate of 3% (3 parts Fluorine Free F3 concentrate to 97 parts water) on Class B hydrocarbon type fuels such as gasoline, kerosene, diesel, etc.

## FEATURES

- Because of its superior environmental impact properties, this product is ideally suited for municipalities and fire departments. Excellent wetting characteristics when used in combating Class A fuel fires
- Suitable for use with either fresh, brackish, or sea water
- Contains no fluorosurfactants or fluorine!
- Suitable for use with aspirating foam nozzles
- Suitable for use with certain deluge or closed head foam water sprinkler systems
- If inadvertently frozen, thawing will render product completely serviceable again
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel. Fluorine Free is not compatible with galvanized pipe or fittings in an undiluted form

## ENVIRO<sup>F3</sup> FLOURINE FREE FOAM 3%

### PROPORTIONING

**ENVIRO<sup>F3</sup> FLOURINE FREE FOAM 3%** is designed for use with the following types of proportioning equipment.

- Fixed or portable in-line eductors
- In-line balanced pressure and pump pressure proportioning skid
- Bladder tank proportioning systems
- Handline, air-aspirating nozzles with fixed eductor pickup tube
- Around the pump proportioners

### DISCHARGE DEVICES

**ENVIRO<sup>F3</sup> FLOURINE FREE FOAM 3%** is suitable for use with the following discharge devices.

- Foam chambers
- Air-aspirating and non air-aspirating sprinkler heads or spray nozzles
- Standard water fog nozzles for handlines and monitors
- Air-aspirating foam nozzles
- Foam makers for use with either floating roof storage tanks or dike/bund protection systems
- High back pressure foam makers for subsurface base injection system.

### APPLICATIONS

**ENVIRO<sup>F3</sup> FLOURINE FREE FOAM 3%** will provide quality protection for a wide range of hazardous areas such as:

- Crash Fire Rescue
- Defense Facilities
- Storage tanks
- Truck/Rail loading or unloading facilities
- Processing/Storage facilities
- Docks/Marine tankers
- Flammable liquid containment areas
- Mobile equipment

## TYPICAL SPECIFICATION

Product	ENVIRO <sup>F3</sup>
Use Concentration	3%
Specific Gravity @ 20°C	1.02 ± 0.02
pH @ 20°C	8.0 ± 0.5
Viscosity @ 20°C,	<50 cSt
Suspended sediment (v/v)	< 0.1 %
Freezing Point	-2°C
Pour Point	-1°C
*Foam Expansion	> 7
*Foam Drainage 25%	Min. 2.5 minutes

*\*Expansion & Drainage values depend on the equipment & the application conditions*

## PERFORMANCE

The fire performance of **ENVIRO<sup>F3</sup> FLOURINE FREE FOAM 3%** is compliance to UL 162. (UL Listing is under process)

## ENVIROMENTAL IMPACT

**ENVIRO<sup>F3</sup> FLOURINE FREE FOAM 3%** is biodegradable, low in toxicity and can be treated in sewage treatment plants.

## STORAGE AND HANDLING

may be stored in its shipping container without change in its original physical or chemical characteristics. Shelf life is expected to be 10 years or more when stored at recommended temperatures and in original containers. It does not show significant sedimentation or precipitation in storage or after temperature cycling. Freezing and thawing have no effect on performance and the concentrate proportions satisfactorily in ordinary equipment at temperatures above +2°C.

Synthetic foam concentrates should only be stored in stainless steel (Type 304L or 316), reinforced

fiberglass polyester with a vinyl ester resin internal layer coating or plastic containers.

## ORDERING INFORMATION

**ENVIRO<sup>F3</sup> FLOURINE FREE FOAM 3%** is available in 20 Liter Jerry Can, 200 Liter Drum and 1000 Liter IBC Tote. Other packing as per customer requirements can also be done.

Part No: ENVIRO<sup>F3</sup> – 3% - J – 20L

Part No: ENVIRO<sup>F3</sup> – 3% - D – 200L

Part No: ENVIRO<sup>F3</sup> – 3% - T – 1000L

NOTE: We reserve the right to modify specification without prior notice.